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DAIMLERCHRYSLER INTELLECTUAL CAPITAL CORPORATION
CIMS 483-02-19
800 CHRYSLER DR EAST
AUBURN HILLS, MI 48326-2757

EXAMINER

VY, HUNG T

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2163

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/18/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No. 10/757,917	Applicant(s) SNOW ET AL.	
	Examiner Hung T. Vy	Art Unit 2163	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 January 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4,6,7,9,11-14 and 17 is/are rejected.
- 7) ☒ Claim(s) 5,8,10,15 and 16 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. As of entry of the RCE filed 01/30/2007 and the amendment filed 12/19/2006, claims 1-17 are pending in this application. Upon reconsideration, Applicant's arguments with respect to claims 1-17 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-11 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

With respect to claim 1, line 7, the word "it" renders claim(s) indefinite because it is unclear as what Applicant intended by the claimed "it" (changing "it" to "said hint file" is suggested).

With respect to claim 7, line 7, the word "it" renders claim(s) indefinite because it is unclear as what Applicant intended by the claimed "it" (changing "it" to "said hint file" is suggested).

With respect to claim 2-6 and 8-11 are rejected under 25 U.S.C. 112 because it fails to resolve deficiencies of claim 1 and 7.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

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(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4, 6-7 and 11-14 and 17 are rejected under 35 U. S. C. § 102 (e) as being anticipated by Squeglia et al. (U.S. pub. US 20020156692A1).

Regarding claim 1, Squeglia et al. discloses a method of assisting (*i.e.*, “a wizards module to aid the inspection process. The Wizards, which include standard inspection processes to identify locomotive problems” (0037)) in correct diagnosis of a problem (*i.e.*, “Repair, maintenance, and diagnostic information is exchanged between the portable unit 14 and the MSDC 20” (0024)) exhibited by a product having at least one component part (*i.e.*, “determine that a given component of the locomotive may be on a path toward eventual failure” (0029)), the method comprising: inputting (*i.e.*, “anomalous condition, the on-board monitor automatically transmits this information back to the MDSC20” (0030)) to a database (MDSC 20) a description of the problem (*i.e.*, “To extract this information and provide it to the MDSC 20, the technical may use the video camera or bar code reader in conjunction with the portable unit 14” (0030) or “repair information (for example, fault codes, diagnostic readings, or simple descriptive text) to a repair expert at the monitoring and diagnostic service center 20” (0053) or “a feedback report describing the nature of the problem and repair actions taken. This report is sent to the MDSC 20” (0026)), a part identifier (*i.e.*, “the portable unit 14 includes a bar code scanner for reading the locomotive identification number, part numbers and serial number... a camera for providing visual information back to the MDSC 20” (0051)) for the at least one component part (*i.e.*, “the locomotive identification number” (0053)), a description of the at least one component part (*i.e.*, “diagnostic readings, or simple descriptive text” (0053)), a product identifier (*i.e.*, “part number” (0051)), and at least one hint for assisting in diagnosing the problem (*i.e.*, “The repair expert analyzes the information and produces a recommendation identifying the potential rood cause or root cause of the problem” (0028)), generating a hint file (*i.e.*, “to

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retrieve relevant diagnosis and repair information from the expert repository 42" (0034)) in the database (i.e., "MSDC20" (0029)) and associating it with the at least one component part (i.e., "experts at the monitoring and diagnostic service center 20 determine that a given component of the locomotive may be on a path toward eventual failure" (0029)) ; and downloading the hint file (i.e., "The portable unit 14 downloads repair recommendations generated by analysis software and/or locomotive repair experts at the MSDC20" (0026)) to a parts ordering system and a parts catalog system (Examiner asserts that portable unit is connected to the databases at all the time as such download diagnostic merely requires an input comment (i.e., "all the databases and modules discussed above are available seven days a week and 24 hour a day from the portable unit 14" (0050) so when parts-ordering module 58 makes order the part (i.e., "the locomotive identification number" (0046), all information about the identifier part, diagnostic are download in the portable unit 14 from different databases as a repair information vault, MSDC20 etc.) in association with the part identifier (i.e., "Repair parts ordered for a specific repair are matched with the locomotive configuration to ensure the correct part is obtained" (0044)) prior to a request to order to at least one part or an inquiry for the part is made (Examiner asserts that before technical makes order the part by using the portable unit 11 and the module system, the module system and portable unit has all the diagnostics, hint and a repair information 56 in the system (i.e., "the portable unit 14 to the diagnosis and repair system 140 transferring the repair recommendation and relevant technical documentation to the portable unit 14, synchronizing clock times, validating the identity of the technical using the portable nit 14." (0064)) to the parts catalog system so that whenever a request to order (i.e., "the order is configured to identify respective " (0029)) the at least one part is entered into the parts ordering system (i.e., "an update module 306 (fig. 9) may be coupled to a scanner 308 configured to scan a cod associated with a part being ordered " (0087)) or an inquiry for the part is made to the parts catalog system (i.e., "an update module 306 (fig. 9) may be coupled to a scanner 308 configured to scan a cod associated with a part being ordered " (0087)), the hint (i.e., "the diagnosis and repair system" (0064)) will be displayed (i.e., "The information displayed on the

portable unit 14 directs the step-by-step activities of the technical through the repair process including providing documentation and information from the various databases and modules" (0089) and Examiner asserts that because the portable 14 download and upload synchronizing clock time (i.e. "synchronizing clock time" (0064) so then the part is ordered, the database 301 with update and transmit to the INPUT/OUTPUT device (see fig. 9) and to the system as "ordered parts tracking module" and the portable 14 download, update and display the hint (i.e., "diagnostics" (0053) associated with the identifier part (i.e., "Information returned to the portable unit 14 from the customer center and the MDSC 20 include recommended repairs and relevant technical documentation required to perform the repairs" (0056)).

Regarding claim 2, Squeglia et al. discloses further comprising prior to the downloading of the hint file: forwarding the hind file (i.e., *"the diagnosis" (0061)*) to an authorized product team (i.e., *"a recommendation authorizing system 182" (0061)*); and refining (i.e., *"The recommendation can include suggested trouble shooting actions to further refine the repair recommendation" (0034)*) the hint file in accordance with inputs from the authorized product team (i.e., *"suggested repairs based on operational and/or failure information the repair technician, or planned maintenance actions, or field modification or upgrades" (0034)*).

Regarding claim 3, Squeglia et al. discloses further comprising prior to downloading (i.e., *"validates software application prior to loading into a specific locomotive 12" (0041)*) the hint file: for forwarding the hind (i.e., *"a diagnosis or repair" (0040)*) file to an approval organization (54)(i.e., *"if the software version is not compatible with other hardware or software components of the locomotive 12, approval for integration will not be granted" (0041)*) and Examiner asserts that an approval organization proceeding to download only after the portal or a specific locomotive has compatible hardware or software (0040)); and proceeding to download (i.e., *"downloads repair recommendations generated by analysis software" (0026)*) only after approval (i.e., *"validates software application prior to loading into a*

specific locomotive 12" (0041)) of the hint file (i.e., "a diagnosis or repair" (0040)) by the approval organization (i.e., "validates software application prior to loading into a specific locomotive 12" (0041)).

Regarding claim 4, Squeglia et al. discloses further comprising prior to downloading (*i.e., "validates software application prior to loading into a specific locomotive 12" (0041))*) the hint file: for forwarding the hind (*i.e., "a diagnosis or repair" (0040))*) file to an approval organization (54)(*i.e., "if the software version is not compatible with other hardware or software components of the locomotive 12, approval for integration will not be granted" (0041) and Examiner asserts that an approval organization proceeding to download only after the portal or a specific locomotive has compatible hardware or software (0040))*); and proceeding to download (*i.e., "downloads repair recommendations generated by analysis software" (0026))*) only after approval (*i.e., "validates software application prior to loading into a specific locomotive 12" (0041))*) of the hint file (*i.e., "a diagnosis or repair" (0040))*) by the approval organization (*i.e., "validates software application prior to loading into a specific locomotive 12" (0041))*).

Regarding claim 6, Squeglia et al. discloses wherein the displayed (*i.e., "assistance to the technician via the portable unit 14" (0026))*) hint presents a suggested solution to the problem (*i.e., "Problem resolution suggestions and repair actions can be crated prior to access by the repair technician or they can be authored in real time by experts at the monitoring and diagnostic service center" (0026))*).

Regarding claim 7, Squeglia et al. discloses a method of assisting (*i.e., "a wizards module to aid the inspection process. The Wizards, which include standard inspection processes to identify locomotive problems" (0037))*) in correct diagnosis of a problem (*i.e., "Repair, maintenance, and diagnostic information is exchanged between the portable unit 14 and the MSDC 20" (0024))*) exhibited by an automotive vehicle having at least one component part (*i.e., "determine that a given component of the locomotive may be on a path toward eventual failure" (0029))*), the method comprising:

inputting to a database (MDSC 20) a description of the problem (i.e., *"anomalous condition, the on-board monitor automatically transmits this information back to the MDSC20" (0030), "To extract this information and provide it to the MDSC 20, the technical may use the video camera or bar code reader in conjunction with the portable unit 14" (0030) or "repair information (for example, fault codes, diagnostic readings, or simple descriptive text) to a repair expert at the monitoring and diagnostic service center 20" (0053) or "a feedback report describing the nature of the problem and repair actions taken. This report is sent to the MDSC 20" (0026))*), a part identifier for the at least one component part (i.e., *"the portable unit 14 includes a bar code scanner for reading the locomotive identification number, part numbers and serial number...a camera for providing visual information back to the MDSC 20" (0051), "the locomotive identification number" (0053)*) a description of the component part (i.e., *"diagnostic readings, or simple descriptive text" (0053)*), a vehicle platform identifier, and at least one hint for assisting in diagnosing the problem (i.e., *"The repair expert analyzes the information and produces a recommendation identifying the potential root cause or root cause of the problem" (0028), " which may be part of a large fleet, such as trucks, ships, off-road vehicles" (0023)*);

generating a hint file in the database and associating it with the at least one component part (i.e., *"to retrieve relevant diagnosis and repair information from the expert repository 42" (0034), "to retrieve relevant diagnosis and repair information from the expert repository 42" (0034), and "experts at the monitoring and diagnostic service center 20 determine that a given component of the locomotive may be on a path toward eventual failure" (0029)*);

forwarding the hint file to an authorized vehicle platform team (i.e., *"a recommendation authorizing system 182" (0061)*);

refining the hint file in accordance with input from the authorized vehicle platform team (i.e., *"The recommendation can include suggested trouble shooting actions to further refine the repair*

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recommendation...suggested repairs based on operational and/or failure information the repair technician, or planned maintenance actions, or field modification or upgrades" (0034)) .

forwarding the refined hint file to an approval organization for review (i.e., "if the software version is not compatible with other hardware or software components of the locomotive 12, approval for integration will not be granted" (0041) and Examiner asserts that an approval organization proceeding to download only after the portal or a specific locomotive has compatible hardware or software (0040)), further refinement if necessary, and approval, resulting in an approved hint file (i.e., "Diagnosis information can be returned to the MDSC 20 in real time via the portable unit 14 for further analysis in the development and refinement of a repair recommendation" (0034)); and

and downloading the hint file (i.e., "The portable unit 14 downloads repair recommendations generated by analysis software and/or locomotive repair experts at the MDSC20" (0026)) to a parts ordering system and a parts catalog system (Examiner asserts that portable unit is connected to the databases at all the time as such download diagnostic merely requires an input comment (i.e., "all the databases and modules discussed above are available seven days a week and 24 hour a day from the portable unit 14" (0050) so when parts-ordering module 58 makes order the part (i.e., "the locomotive identification number" (0046), all information about the identifier part, diagnostic are download in the portable unit 14 from different databases as a repair information vault, MSDC20 etc.) in association with the part identifier (i.e., "Repair parts ordered for a specific repair are matched with the locomotive configuration to ensure the correct part is obtained" (0044))

prior to a request to order to at least one part or an inquiry for the part is made (Examiner asserts that before technical makes order the part by using the portable unit 11 and the module system, the module system and portable unit has all the diagnostics, hint and a repair information 56 in the system (i.e., "the portable unit 14 to the diagnosis and repair system 140 transferring the repair recommendation and relevant technical documentation to the portable unit 14, synchronizing clock times, validating the identity of the technical using the portable nit 14" (0064)) to the parts catalog system so that whenever a request to order (i.e.,

"the order is configured to identify respective " (0029)) the at least one part is entered into the parts ordering system (i.e., "an update module 306 (fig. 9) may be coupled to a scanner 308 configured to scan a cod associated with a part being ordered " (0087)) or an inquiry for the part is made to the parts catalog system (i.e., "an update module 306 (fig. 9) may be coupled to a scanner 308 configured to scan a cod associated with a part being ordered " (0087)), the hint (i.e., "the diagnosis and repair system" (0064)) will be displayed along with conventional part information (i.e., "The information displayed on the portable unit 14 directs the step-by-step activities of the technical through the repair process including providing documentation and information from the various databases and modules" (0089) and Examiner asserts that because the portable 14 download and upload synchronizing clock time (i.e. "synchronizing clock time" (0064) so then the part is ordered, the database 301 with update and transmit to the INPUT/OUTPUT device (see fig. 9) and to the system as "ordered parts tracking module" and the portable 14 download, update and display the hint (i.e., "diagnostics" (0053) associated with the identifier part (i.e., "Information returned to the portable unit 14 from the customer center and the MDSC 20 include recommended repairs and relevant technical documentation required to perform the repairs" (0056)).

Regarding claim 11, Squeglia et al. discloses wherein the displayed (i.e., *"assistance to the technician via the portable unit 14" (0026)) hint presents a suggested solution to the problem (i.e., "Problem resolution suggestions and repair actions can be crated prior to access by the repair technician or they can be authored in real time by experts at the monitoring and diagnostic service center" (0026)).*

With respect to claim 12, Squeglia et al. discloses an arrangement for assisting (i.e., *"a wizards module to aid the inspection process. The Wizards, which include standard inspection processes to identify locomotive problems" (0037)) in correct diagnosis of a problem (i.e., "Repair, maintenance, and diagnostic information is exchanged between the portable unit 14 and the MSDC 20" (0024)) exhibited by a product having at least one component part (i.e., "determine that a given component of the*

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locomotive may be on a path toward eventual failure" (0029)), the arrangement comprising: a database (MDSC 20) and associated database engine (i.e., "Various exemplary databases and modules to which users" (0031)) adapted to communicate (see fig. 2) with a plurality of organizations (i.e., "The databases and modules are also linked bi-directionally so that the technician can move seamlessly from one to the other either manually or automatically through a hyperlinked process wherever the required information is stored in more than one location" (0031)) within an entity responsible for distributing (i.e., "Information regarding the number of parts in inventory and the location of such parts (for example, in the geographically distributed inventory shops maintained by the railroad or party providing repair service" (0045)) the at least one component part to product customers (i.e., "service yard" (element 13) (fig. 1)), a parts ordering system (58)(fig. 2) and a parts communication catalog system (22) (fig. 1) coupled for with the database and with at least one parts and service providing entity for the product (Examiner asserts that portable unit connects to the databases all the time (i.e., "all the databases and modules discussed above are available seven days a week and 24 hour a day from the portable unit 14" (0050) so when parts-ordering module 58 makes order the part (i.e., "the locomotive identification number" (0046), all information about the identifier part, diagnostic are download in the portable unit 14 from different databases as a repair information vault, MSDC20 etc.),

wherein the database (MDSC 20) is operative to receive from at least one of the plurality of organizations a description of the problem (i.e., "anomalous condition, the on-board monitor automatically transmits this information back to the MDSC20" (0030) or "To extract this information and provide it to the MDSC 20, the technical may use the video camera or bar code reader in conjunction with the portable unit 14" (0030) or "repair information (for example, fault codes, diagnostic readings, or simple descriptive text) to a repair expert at the monitoring and diagnostic service center 20"(0053) or "a feedback report describing the nature of the problem and repair actions taken. This report is sent to the MDSC 20" (0026)), a part identifier for the at least one component part (i.e., "to identify locomotive problems, present the

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inspection process in a step-by-step procedure that eliminates guesswork on the part of the technician" (0037) or "the order is configured to identify respective parts and quantity thereof to be made available for said service site" (0010) or "the portable unit 14 includes a bar code scanner for reading the locomotive identification number, part numbers and serial number...a camera for providing visual information back to the MDSC 20"(0051)), a product identifier and at least one hint for is operative to receive from at least one of assisting in diagnosing the problem (i.e., "part number" (0051) or "The repair expert analyzes the information and produces a recommendation identifying the potential root cause or root cause of the problem" (0028)), to generate a hint file in the database (MDSC 20), associated with the at least one component part (i.e., "to retrieve relevant diagnosis and repair information from the expert repository 42" (0034) and "experts at the monitoring and diagnostic service center 20 determine that a given component of the locomotive may be on a path toward eventual failure" (0029)), and to download the hint file to the parts ordering system and the parts catalog system prior to receiving a request or an inquiry for the at least one component; and (i.e., "The portable unit 14 downloads repair recommendations generated by analysis software and/or locomotive repair experts at the MDSC20" (0026) and Examiner asserts that portable unit is connected to the databases at all the time as such download diagnostic merely requires an input comment (i.e., "all the databases and modules discussed above are available seven days a week and 24 hour a day from the portable unit 14"(0050) so when parts-ordering module 58 makes order the part (i.e., "the locomotive identification number" (0046), all information about the identifier part, diagnostic are download in the portable unit 14 from different databases as a repair information vault, MSDC20 etc. and before technical makes order the part by using the portable unit 11 and the module system, the module system and portable unit 14 has all the diagnostics, hint and a repair information 56 in the system (i.e., "the portable unit 14 to the diagnosis and repair system 140 transferring the repair recommendation and relevant technical documentation to the portable unit 14, synchronizing clock times, validating the identity of the technical using the portable unit 14" (0064))) and wherein the parts ordering system and the parts catalog system are operative upon receiving a request or an inquiry for the at least one component from the

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at least one parts and service providing entity to display the hint to the at least one parts and service providing entity ((i.e., *"an update module 306 (fig. 9) may be coupled to a scanner 308 configured to scan a cod associated with a part being ordered...an update module 306 (fig. 9) may be coupled to a scanner 308 configured to scan a cod associated with a part being ordered"* (0087), *"The information displayed on the portable unit 14 directs the step-by-step activities of the technical through the repair process including providing documentation and information from the various databases and modules"* (0089) and Examiner asserts that because the portable 14 download and upload synchronizing clock time (i.e., *"synchronizing clock time"* (0064) so then the part is ordered, the database 301 with update and transmit to the INPUT/OUTPUT device (see fig. 9) and to the system as *"ordered parts tracking module"* and the portable 14 download, update and display the hint (i.e., *"diagnostics"* (0053) associated with the identifier part (i.e., *"Information returned to the portable unit 14 from the customer center and the MDSC 20 include recommended repairs and relevant technical documentation required to perform the repairs"* (0056)).

With respect to claim 13, Squeglia et al. discloses the plurality of organizations include a team of specialists for the product (i.e., *"the repair expert 142 in formulating the repair recommendation"* (0066)), wherein the database engine (i.e., *"various exemplary databases and the module system"* (0031)) is further operative to forward the hint file to the team for refining the file (i.e., *"The recommendation can include suggested trouble shooting actions to further refine the repair recommendation"* (0034)).

With respect to claim 14, Squeglia et al. discloses wherein the plurality of organizations includes an approval organization (i.e., *"if the software version is not compatible with other hardware or software components of the locomotive 12, approval for integration will not be granted"* (0041) and Examiner asserts that an approval organization proceeding to download only after the portal or a specific locomotive has compatible hardware or software (0040)); and wherein the database engine (i.e., *"various exemplary databases and the module system"* (0031)) is further operative to inhibit

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downloading of the hint file until receipt of approval from the approval organization (*i.e.*,

"validates software application prior to loading into a specific locomotive 12" (0041)).

Regarding claim 17, Squeglia et al. discloses wherein the displayed (*i.e.*,
"assistance to the technician via the portable unit 14" (0026)) hint presents a suggested solution to
the problem (*i.e.*, *"Problem resolution suggestions and repair actions can be crated prior to access by the
repair technician or they can be authored in real time by experts at the monitoring and diagnostic service center"*
(0026)).

Claim Rejections - 35 U.S.C. § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all
obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth
insection 102 of this title, if the differences between the subject matter sought to be patented and the prior
art are such that the subject matter as a whole would have been obvious at the time the invention was made
to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be
negated by the manner in which the invention was made.

5. Claim 9 is rejected under 35 U.S.C. 103 (a) as being unpatentable over Squeglia
et al. (U.S. pub. US 20020156692A1) in view of Demetriades et al. (U.S. Pub. No.
2004/0010578).

With teaching of Sequelia et al. has been discussed above.

Regarding claim 9, Squeglia et al. discloses all limitation claimed invention
recited in claim 7 excepted for translation service. However, Demetriades et al.
discloses the translation service (see paragraph 0161). It would have been to one of
ordinary skill in art at the time the invention was made to implement Squeglia et al. 's
system with the translation service in order to have different country can have service
with the same system and making the system more useful since such an arrangement

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with translation service for the stated purpose has been well know in the art as evidenced by teaching of Demetriades et al. (see paragraph 0161).

Allowable Subject Matter

6. Claim 5 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims since the prior art of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed a method of assisting in correct diagnosis of problem exhibited by a product having a least one component part wherein the displayed hint alert a viewer that the problem will not be solved by replacement of the at least one component.

7. Claim 8 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims since the prior art of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed a method of assisting in correct diagnosis of problem exhibited by an automotive vehicle having at least one component part and further comprising preventing a completion of placing an order for the at least one part until a requester enters an acknowledgement to the parts ordering system acknowledging that the hint has been displayed.

8. Claim 10 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims since the prior art of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed a method

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of assisting in correct diagnosis of problem exhibited by an automotive vehicle having at least one component part having a least one component part wherein the displayed hint alert a viewer that the problem will not be solved by replacement of the at least one component.

9. Claim 15 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims since the prior art of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed a an arrangement for assisting in correct diagnosis of a problem exhibited by a product having at least one component part, the arrangement comprising operative to prevent completion of placing an order for the at least one part until a requester enters an acknowledgement to the parts ordering system acknowledging that the hint has been displayed.

10. Claim 16 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims since the prior art of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed a an arrangement for assisting in correct diagnosis of a problem exhibited by a product having at least one component part, the arrangement comprising the displayed hint alert a viewer that the problem will not be solved by replacement of the at least one component.

Response to Arguments

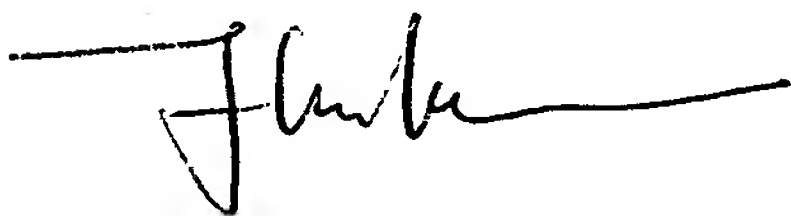
11. Applicant's arguments with respect to claims 1-17 filed on 12/19/2006 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hung T. Vy whose telephone number is (571) 2721954. The examiner can normally be reached on 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don K. Wong can be reached on (571)2721934. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



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